

I CLAIM:

Att B.17

1. A method of resurfacing roads, comprising the steps of:

- a) applying a first layer of polymer modified concrete over a road surface;
- b) applying a first layer of rock chips over the polymer modified concrete layer;
- c) applying a second layer of polymer modified concrete over the layer of rock chips;

and,

d) applying a second layer of rock chips over the second layer of polymer modified concrete.

2. The method of resurfacing roads as set forth in claim 1, wherein the step of applying said first layer of polymer modified concrete to the road surface includes:

- a) applying said first layer of polymer modified concrete in a thickness of approximately 1/16th to 1/8th inches using a squeegee to provide an even application of said concrete.

3. The method of resurfacing roads as set forth in claim 1, wherein the step of applying said first layer of rock chips over said first layer of polymer modified concrete includes:

- a) blowing said rock chips onto said first layer of polymer modified concrete with sufficient force to embed said chips in said first layer of polymer modified concrete.

4. The method of resurfacing roads as set forth in claim 1, wherein the step of applying said second layer of polymer modified concrete over said second layer of rock chips over said layer of polymer modified concrete includes:

a) applying said second layer of polymer modified concrete in a thickness of approximately 1/16th to 1/8th inches in thickness using a squeegee to provide an even application of said concrete.

5 5. The method of resurfacing roads as set forth in claim 1, wherein the step of applying said second layer of rock chips over said second layer of polymer modified concrete includes:

a) blowing said rock chips onto said second layer of polymer modified concrete with sufficient force to embed said chips in said second layer of polymer modified concrete.

10 6. The method of resurfacing roads as set forth in claim 1, further including the step of:

a) filling in at least one pothole with a mixture of polymer modified concrete and rock chips and screeding said mixture to be substantially level with the road surface prior to application of said first layer of polymer modified concrete.

15 7. The method of resurfacing roads as set forth in claim 1, wherein the step of applying said first layer of rock chips over said first layer of polymer modified concrete includes:

a) blowing ^{the} rock chips of no larger than 1/4 inch in width onto said first layer of polymer modified concrete.

8. The method of resurfacing roads as set forth in claim 1, further including the step of:

a) allowing said first layer of polymer modified concrete to harden to form a firm supporting surface prior to application of said second layer of polymer modified concrete.

9. A method of resurfacing roads, comprising the steps of:

a) applying a layer of polymer modified concrete to a road surface;

b) broadcasting rock chips onto said layer of polymer modified concrete while said polymer modified concrete layer is wet; and,

c) raking said road surface while said polymer modified concrete is wet to form anti-ponding lines.

10. ^{The} A method of resurfacing roads as set forth in claim 9, wherein the step of raking further includes:

a) forming said anti-ponding lines to extend from the center of the road surface to the edge of the road surface substantially perpendicular to the direction of travel of traffic on the road surface.

11. The method of resurfacing roads as set forth in claim 10, wherein the step of forming said anti-ponding lines further includes:

a) applying said lines spaced apart approximately three-fourths of an inch to one inch.

12. A method of resurfacing roads comprising the steps of:
- a) applying a first layer of polymer modified concrete to the road surface;
 - b) placing electrical resistance heating elements on said first layer of polymer modified concrete;
 - c) applying a second layer of polymer modified concrete over said heating elements.
 - d) connecting said electrical heating elements to a power source.

13. The method of resurfacing roads as set forth in claim 12, further comprising the step of:

- a) applying a layer of rock chips onto said second layer of polymer modified concrete while said second layer is wet.

14. The method of resurfacing roads as set forth in claim 12, wherein the step of placing said electrical heating elements on said first layer includes:

- a) forming a grid of copper wires ^{a wheel lane} in the wheel lanes of the road surface.

15. The method of resurfacing roads as set forth in claim 12, wherein the step of placing said electrical heating elements on said first layer includes:

- a) forming a zigzag pattern of copper wires ^{a wheel lane} in the wheel lanes of the road surface.

16. The method of resurfacing roads as set forth in claim 12, wherein the step of applying a first layer of polymer modified concrete to the road surface includes:

- a) applying said first layer on ^{a wheel lane} the wheel lanes of the road surface.

17. The method of resurfacing roads as set forth in claim 16, wherein the step of applying a first layer of polymer modified concrete to the road surface includes:

- a) applying said first layer in three foot wide strips to cover the wheel lanes of the road surface.

18. The method of resurfacing roads as set forth in claim 12, wherein the step of connecting said electrical heating elements to a power source includes:

- a) connecting said electrical heating elements to a photovoltaic energy source.

19. The method of resurfacing roads as set forth in claim 12, wherein the step of connecting said electrical heating elements to a power source includes:

- a) connecting said electrical heating elements to a battery.